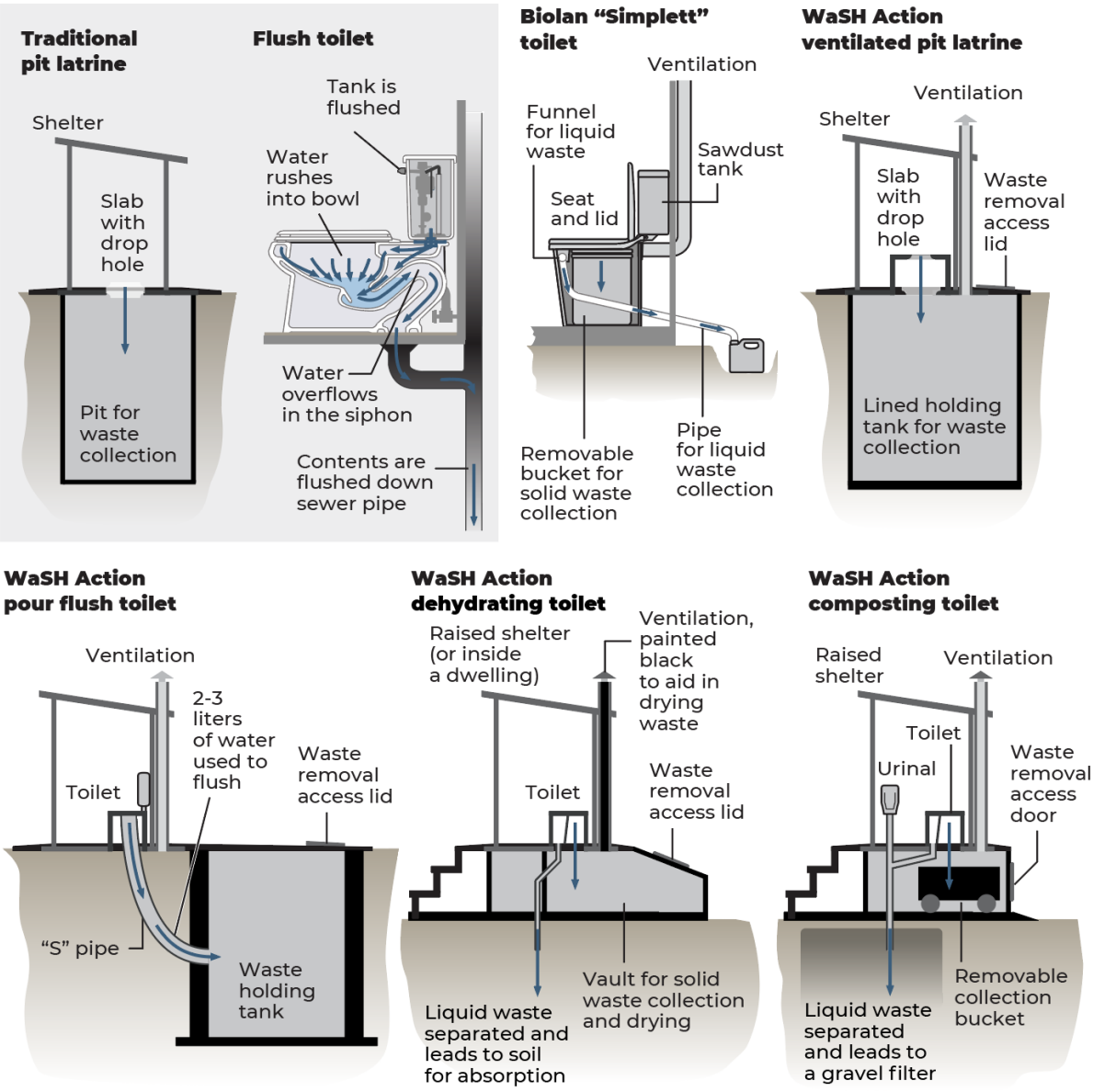
Mongolians Consider Alternatives to Traditional Toilets

Pit latrines are dangerous and unhygienic; flush toilets require indoor plumbing that most households lack. Improved latrine types use sustainable methods, but can be costly and aren't widely accessible yet.

Traditional toilet types

Improved latrine types



Sources: Biolan; Mongolia Ministry of Health; WaSH Action of Mongolia; HomeTips

Mongolians Consider Alternatives to Traditional Toilets

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Traditional toilet types

Traditional pit latrine

Shelter

Slab with drop hole

Pit for waste collection

Flush toilet

Tank is flushed

Water rushes into bowl

Water overflows in the siphon

Contents are flushed down sewer pipe

Improved latrine types

Biolan “Simplett” toilet

Ventilation

Funnel for liquid waste

Seat and lid

Sawdust tank

Removable bucket for solid waste collection

Pipe for liquid waste collection

WaSH Action ventilated pit latrine

Shelter

Ventilation

Slab with drop hole

Lined holding tank for waste collection

Waste removal access lid

WaSH Action pour flush toilet

Ventilation

Toilet

2-3 liters of water used to flush

Waste removal access lid

“S” pipe

Waste holding tank

WaSH Action dehydrating toilet

Raised shelter (or inside a dwelling)

Ventilation, painted black to aid in drying waste

Toilet

Waste removal access lid

Liquid waste separated and leads to soil for absorption

Vault for solid waste collection and drying

WaSH Action composting toilet

Raised shelter

Ventilation

Urinal

Toilet

Waste removal access door

Liquid waste separated and leads to a gravel filter

Removable collection bucket

Sources: Biolan; Mongolia Ministry of Health; WaSH Action of Mongolia; HomeTips

SOURCE LINKS:

Traditional pit latrine (CQ_link)
https://www.dropbox.com/s/qgezwt82uw9gjyn/GPJNews_Mongolia_OB_Toilet%20%2817%29.JPG?dl=0

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Flushing toilet (CQ_link)
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